

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		ATTORNEY'S DOCKET NUMBER HRCM.P-007 U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <div style="font-size: 1.5em; font-weight: bold;">10/553593</div>
INTERNATIONAL APPLICATION NO. PCT/IB2004/052224	INTERNATIONAL FILING DATE October 28, 2004	PRIORITY DATE CLAIMED October 28, 2003
TITLE OF INVENTION Advanced gestation wheel calculator		
APPLICANT(S) FOR DO/EO/US H. Randall Craig		<div style="font-size: 1.5em; font-weight: bold;">EV600680865US</div>

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.
3. ☐ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☒ The US has been elected (Article 31).
5. ☐ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
 - a. ☒ is attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ has been communicated by the International Bureau.
 - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
 - a. ☐ is attached hereto.
 - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
 - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ have been communicated by the International Bureau.
 - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
 - d. ☐ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11 to 20 below concern document(s) or information included:

11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☐ A preliminary amendment.
14. ☒ An Application Data Sheet under 37 CFR 1.76.
15. ☐ A substitute specification.
16. ☐ A power of attorney and/or change of address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.
18. ☐ A second copy of the published International Application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <div style="font-size: 1.5em; font-weight: bold;">10/553593</div>	INTERNATIONAL APPLICATION NO. PCT/IB2004/052224	ATTORNEY'S DOCKET NUMBER HRCM.P-007																																																																															
20. Other items or information: <div style="font-style: italic; font-size: 1.2em;">written opinion international search report</div>																																																																																	
The following fees have been submitted		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:60%;">CALCULATIONS</th> <th style="width:40%;">PTO USE ONLY</th> </tr> <tr> <td>21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a))..... \$300</td> <td>\$ 300</td> </tr> <tr> <td>22. <input type="checkbox"/> Examination fee (37 CFR 1.492(c))</td> <td></td> </tr> <tr> <td colspan="2"> If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0 All other situations..... \$200 </td> </tr> <tr> <td>23. <input type="checkbox"/> Search fee (37 CFR 1.492(b))</td> <td></td> </tr> <tr> <td colspan="2"> If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... \$100 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB..... \$400 All other situations..... \$500 </td> </tr> <tr> <td colspan="2"> TOTAL OF 21, 22 and 23 = </td> </tr> <tr> <td colspan="2"> <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. </td> </tr> <tr> <td> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:15%;">Total Sheets</th> <th style="width:15%;">Extra Sheets</th> <th style="width:40%;">Number of each additional 50 or fraction thereof (round up to a whole number)</th> <th style="width:30%;">RATE</th> </tr> <tr> <td>- 100 =</td> <td>/50 =</td> <td></td> <td>x \$250</td> </tr> </table> </td> <td>\$</td> </tr> <tr> <td colspan="2"> Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)). </td> <td>\$</td> </tr> <tr> <td colspan="2"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:15%;">CLAIMS</th> <th style="width:15%;">NUMBER FILED</th> <th style="width:15%;">NUMBER EXTRA</th> <th style="width:15%;">RATE</th> <th style="width:40%;">\$</th> </tr> <tr> <td>Total claims</td> <td>31 - 20 =</td> <td>11</td> <td>x \$ 50</td> <td>\$ 550</td> </tr> <tr> <td>Independent claims</td> <td>24 - 3 =</td> <td>21</td> <td>x \$200</td> <td>\$ 4200</td> </tr> <tr> <td colspan="4"> MULTIPLE DEPENDENT CLAIM(S) (if applicable) </td> <td> + \$360 </td> </tr> </table> </td> <td>\$</td> </tr> <tr> <td colspan="2"> TOTAL OF ABOVE CALCULATIONS = </td> <td>\$ 5050</td> </tr> <tr> <td colspan="2"> <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2. </td> <td>2525</td> </tr> <tr> <td colspan="2"> SUBTOTAL = </td> <td>\$ 2525</td> </tr> <tr> <td colspan="2"> Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)). </td> <td>\$</td> </tr> <tr> <td colspan="2"> TOTAL NATIONAL FEE = </td> <td>\$ 2525</td> </tr> <tr> <td colspan="2"> Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property </td> <td>\$</td> </tr> <tr> <td colspan="2"> TOTAL FEES ENCLOSED = </td> <td>\$ 2525</td> </tr> <tr> <td colspan="2"></td> <td>Amount to be refunded: \$</td> </tr> <tr> <td colspan="2"></td> <td>Amount to be charged \$</td> </tr> </table>	CALCULATIONS	PTO USE ONLY	21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a))..... \$300	\$ 300	22. <input type="checkbox"/> Examination fee (37 CFR 1.492(c))		If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0 All other situations..... \$200		23. <input type="checkbox"/> Search fee (37 CFR 1.492(b))		If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... \$100 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB..... \$400 All other situations..... \$500		TOTAL OF 21, 22 and 23 =		<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:15%;">Total Sheets</th> <th style="width:15%;">Extra Sheets</th> <th style="width:40%;">Number of each additional 50 or fraction thereof (round up to a whole number)</th> <th style="width:30%;">RATE</th> </tr> <tr> <td>- 100 =</td> <td>/50 =</td> <td></td> <td>x \$250</td> </tr> </table>	Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE	- 100 =	/50 =		x \$250	\$	Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).		\$	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:15%;">CLAIMS</th> <th style="width:15%;">NUMBER FILED</th> <th style="width:15%;">NUMBER EXTRA</th> <th style="width:15%;">RATE</th> <th style="width:40%;">\$</th> </tr> <tr> <td>Total claims</td> <td>31 - 20 =</td> <td>11</td> <td>x \$ 50</td> <td>\$ 550</td> </tr> <tr> <td>Independent claims</td> <td>24 - 3 =</td> <td>21</td> <td>x \$200</td> <td>\$ 4200</td> </tr> <tr> <td colspan="4"> MULTIPLE DEPENDENT CLAIM(S) (if applicable) </td> <td> + \$360 </td> </tr> </table>		CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$	Total claims	31 - 20 =	11	x \$ 50	\$ 550	Independent claims	24 - 3 =	21	x \$200	\$ 4200	MULTIPLE DEPENDENT CLAIM(S) (if applicable)				+ \$360	\$	TOTAL OF ABOVE CALCULATIONS =		\$ 5050	<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.		2525	SUBTOTAL =		\$ 2525	Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).		\$	TOTAL NATIONAL FEE =		\$ 2525	Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property		\$	TOTAL FEES ENCLOSED =		\$ 2525			Amount to be refunded: \$			Amount to be charged \$
CALCULATIONS	PTO USE ONLY																																																																																
21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a))..... \$300	\$ 300																																																																																
22. <input type="checkbox"/> Examination fee (37 CFR 1.492(c))																																																																																	
If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0 All other situations..... \$200																																																																																	
23. <input type="checkbox"/> Search fee (37 CFR 1.492(b))																																																																																	
If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... \$100 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB..... \$400 All other situations..... \$500																																																																																	
TOTAL OF 21, 22 and 23 =																																																																																	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.																																																																																	
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:15%;">Total Sheets</th> <th style="width:15%;">Extra Sheets</th> <th style="width:40%;">Number of each additional 50 or fraction thereof (round up to a whole number)</th> <th style="width:30%;">RATE</th> </tr> <tr> <td>- 100 =</td> <td>/50 =</td> <td></td> <td>x \$250</td> </tr> </table>	Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE	- 100 =	/50 =		x \$250	\$																																																																								
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE																																																																														
- 100 =	/50 =		x \$250																																																																														
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).		\$																																																																															
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:15%;">CLAIMS</th> <th style="width:15%;">NUMBER FILED</th> <th style="width:15%;">NUMBER EXTRA</th> <th style="width:15%;">RATE</th> <th style="width:40%;">\$</th> </tr> <tr> <td>Total claims</td> <td>31 - 20 =</td> <td>11</td> <td>x \$ 50</td> <td>\$ 550</td> </tr> <tr> <td>Independent claims</td> <td>24 - 3 =</td> <td>21</td> <td>x \$200</td> <td>\$ 4200</td> </tr> <tr> <td colspan="4"> MULTIPLE DEPENDENT CLAIM(S) (if applicable) </td> <td> + \$360 </td> </tr> </table>		CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$	Total claims	31 - 20 =	11	x \$ 50	\$ 550	Independent claims	24 - 3 =	21	x \$200	\$ 4200	MULTIPLE DEPENDENT CLAIM(S) (if applicable)				+ \$360	\$																																																											
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$																																																																													
Total claims	31 - 20 =	11	x \$ 50	\$ 550																																																																													
Independent claims	24 - 3 =	21	x \$200	\$ 4200																																																																													
MULTIPLE DEPENDENT CLAIM(S) (if applicable)				+ \$360																																																																													
TOTAL OF ABOVE CALCULATIONS =		\$ 5050																																																																															
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.		2525																																																																															
SUBTOTAL =		\$ 2525																																																																															
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).		\$																																																																															
TOTAL NATIONAL FEE =		\$ 2525																																																																															
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property		\$																																																																															
TOTAL FEES ENCLOSED =		\$ 2525																																																																															
		Amount to be refunded: \$																																																																															
		Amount to be charged \$																																																																															

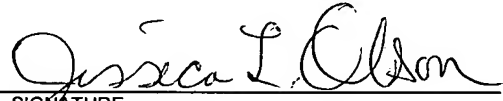
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

- a. ☐ A check in the amount of \$ _____ to cover the above fees is enclosed.
- b. ☐ Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees.
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 15-0610. A duplicate copy of this sheet is enclosed.
- d. ☒ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

21121


SIGNATURE

Jessica Olson

NAME

53413

REGISTRATION NUMBER